

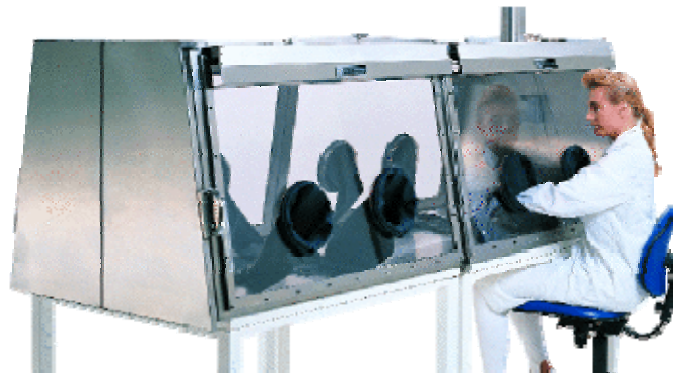
# Solutions for Controlled Environments and Cleanrooms.



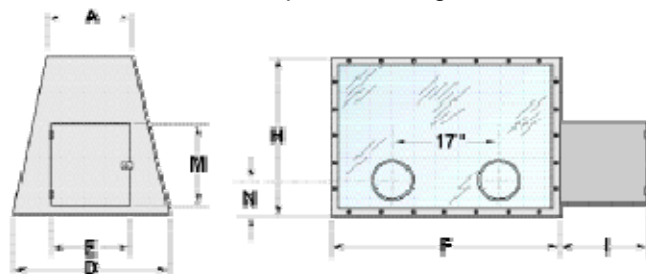
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## Full-View Glove Boxes (Series 500)

- Combines the full visibility of plastic glove boxes with the strength and processing capabilities of a 304 stainless steel chamber
- Transparent front and back panels (of either Static-Dissipative PVC or polycarbonate) feature opposing glove ports for easy manipulation of materials
- Optional split-panel sliding doors open and seal by means of a hand clamp for easy introduction/removal of large process equipment
- Large chamber size leaves plenty of clearance for bulky process equipment
- Versatile side flanges allow several units to be connected in series; also permit easy addition of air lock
- System options include ionizing equipment; process gas mixers, analyzers and heaters; and a remote filter/blower module for gas re-circulating or exhaust fume purification



Twin Series 500 chambers. Shown with optional sliding doors.



Glove Ports	A	D	E	F	H	I	M	N
2	26	36	14.75	48	30	16	14.75	10
4	26	36	14.75	96	30	16	14.75	10

The Series 500 Full-View Controlled Atmosphere Chamber combines advantages of several other lines of glove chambers.

### The Best of Both Worlds

Like our plastic glove boxes, it allows full visibility of operations in process, reducing the claustrophobic sensation that operators often experience when working with a stainless steel chamber. Transparent front and rear panels also allow easy modifications to suit particular requirements, such as custom sealed cut-outs for microscope optics, cameras, or other process equipment. Inlet/outlet ports can also be specified for connection of gas purge and humidity controls. Select either Static-Dissipative PVC, which resists many chemicals, eliminates static charges, and aids in particle controls, or polycarbonate, which resists heat.

Like our other stainless steel chambers, the Series 500 ensures a strong, static-safe design that is ideal for a broad range of controlled temperature and humidity tests in many gas environments. Its spacious size accommodates bulky equipment, and its side flanges allow the addition of air locks and also permit several units to be connected in series.



Split panel sliding doors accommodate large parts.

	Cat. #
Operating Manual	1800-13

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The front and rear panels are tightly installed using double-gasketed, compression seals that ensure minimum vapour loss and stand up to both positive and negative pressures. A fluorescent light fixture, cord and switch are mounted to the exterior of the chamber to ensure proper illumination without contaminating the internal environment or posing a combustion hazard in the presence of flammable gases. UV lighting is also available.

## Convenient Access, Optimal Versatility

These chambers come standard with dual opposing arm ports (two in front and two in the rear) that can be used with any gloves designed for 8" round flanges (including Terra bonded or accordion-type gloves; order separately). Other glove port configurations, including iris glove ports, are also available on a custom basis.

Split-panel sliding doors further enhance convenience by providing easy-open, easy-seal right or left side access. Doors are made of stainless steel for optimal durability, and their one-piece gasket ensures an air-tight seal when clamps are closed.

Optional air locks help maintain the integrity of the controlled environment without sacrificing convenience. All air locks are pre-mounted to a side flange that is easy to install on the Series 400 chamber; select air locks for right- or left-side installation. They minimize nitrogen loss and contamination inflow while parts are introduced or removed, particularly when equipped with their own gas controls. On a custom basis, air locks, can be ordered with dual mounting flanges to "cascade" several atmospheric chambers in series. All air locks include a .125" NPT pipe-tapped opening for connection of purge gas and a .25" NPT outlet to accommodate an Automatic RB® (Relief/Bleed) Valve.

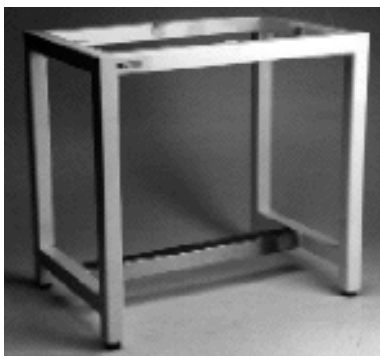
Note: For vacuum requirements up to 29.9" Hg, select a Vacuum Antechamber.

Series 500 Full-View Chambers			Split-Panel Sliding Doors*		Air Locks**	
Model	Static-Dissipative PVC Panels	Polycarbonate Panels	Right Mount	Left Mount	Right Mount	Left Mount
	Cat.#	Cat.#	Cat.#		Cat.#	Cat.#
Single	1694-31	1694-33	1694-35		1702-12A	1702-13A
Twin	1694-32	1694-34	1694-35		1702-12A	1702-13A

\* Prices for left-mount models are the same.

\*\* Prices for left-mount models are the same. Dimensions: 12" x 12" x 14"D

For 220V models, add "-220" to the part number.



## Stands for Series 500 Glove Boxes

Constructed of all-welded 1.5" square tubing, these stands are specially designed to support Series 500 glove boxes. Select powder-coated (white) steel or 304 stainless steel stands, with or without rubber casters. All stands raise chambers 30" off of floor (add 3" for casters).

Stands for Series 500 Glove Boxes		
	For Single Chamber	For Twin Chamber
	Cat. #	Cat. #
Stainless Steel Stand	1694-39	1684-75
Powder-Coated Steel Stand	1694-40	1684-76
Casters (set of 4, 2 with brakes)	1700-44	—

Phone: +44 [0] 1823 660665. [sales@sirus-microtech.com](mailto:sales@sirus-microtech.com) Fax: +44 [0] 1823 665321

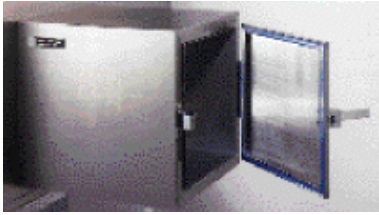
The Old Stables, Linden Hill, Wellington, Somerset, TA21 0DW, England

Company Reg No. 191 02 63 VAT Reg No: 429 0172 65

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Improved design can be retrofitted onto any glove box— just give us your perimeter dimensions.

## Air Locks

Air locks minimize nitrogen loss and contamination inflow while parts are introduced or removed, particularly when equipped with their own gas controls. They feature safety glass viewing windows on doors, sealed with one-piece, non adhesive compression gaskets. Knife-edge door frame seals against non contaminating polyurethane gasket in a recessed channel. On a custom basis, air locks can be ordered with dual mounting flanges to "cascade" several atmospheric chambers in series. All air locks include .125" NPT pipe-tapped opening for connection of purge gas and a .25" NPT outlet to accommodate an Automatic RB® (Relief/Bleed) Valve.

Order air locks for the Series 500 chamber from the table above.



## Detachable Bottom

Removable bottom panel allows Series 500 glove box to be lifted for easy placement over large equipment. Attaches and seals by means of two clamps.

	Cat. #
48"W Box	1702-50
96"W Box	1702-51